

Message

**From:** Carol Ann Woody [Ex. 6 PII, Carol Ann Woody]  
**Sent:** 8/27/2013 5:40:02 PM  
**To:** Hough, Palmer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=51cd0b0d81ac416fa265944d6e6575ce-PHough]  
**Subject:** Fwd: Chinook!  
**Attachments:** Nushagak Chinook Tree.pptx

Hi Again

I just got some information on Chinook.

There is some structure of Chinook in the Nushagak but the markers they used show overlap within and among Bristol bay drainages. So not very helpful. However, they are going to apply some different markers and I was going to urge then to also examine immune response markers which were useful for separating out Fraser River sockeye populations. I will meet w/ them on my return and determine what info would be most useful.

Sincerely,

Carol Ann Woody, PhD

Center for Science in Public Participation (CSP2)

6601 Chevigny St.

Anchorage, AK 99502

[www.CSP2.org](http://www.CSP2.org)

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email: [cwoody@CSP2.org](mailto:cwoody@CSP2.org)

phone: 907.242.3496

----- Forwarded message -----

**From:** Decovich, Nick A (DFG) <[nick.decovich@alaska.gov](mailto:nick.decovich@alaska.gov)>

**Date:** Tue, Aug 27, 2013 at 9:28 AM

**Subject:** RE: Chinook!

**To:** Carol Ann Woody [Ex. 6 PII, Carol Ann Woody] "Dann, Tyler H (DFG)" <[tyler.dann@alaska.gov](mailto:tyler.dann@alaska.gov)>

Hi Carol Ann,

We do have a report being finalized right now, and it tells the story I presented at the SWIM meeting this spring; very slight genetic structure in the Nushagak. See the attached tree from the report, and I'll send the report to you when it is finalized (hopefully within a week). However, we are beginning a new SNP discovery project to look at this very issue! We are going to use the Kuktuli as one of the ascertainment populations in our screening panel. Basically this means we are going to extensively sequence individuals from this population, as well as a few select others from the Nushagak and Kusko drainages. At this point, the Kusko and Nushagak pops are nearly indistinguishable from each other, so that is the

main egg to crack. We are also looking for sufficient variation within each drainage for genetic mark-recapture applications.

Hope that helps. In short, we don't see much at first glance, but we are working on it!

Take care,

Nick

**From:** Carol Ann Woody [mailto:Ex. 6 PII, Carol Ann Woody]  
**Sent:** Tuesday, August 27, 2013 8:56 AM

**To:** Dann, Tyler H (DFG)  
**Cc:** Decovich, Nick A (DFG)  
**Subject:** Re: Chinook!

Hi Nick,

I am very excited to learn if the Chinook samples we collected from the Koktuli were different than other Bristol bay populations and if there is any evidence of within watershed population structure (Nush).

If you all have any reports including this information I would deeply appreciate them.

Sincerely,

Carol Ann Woody

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On Mon, Aug 26, 2013 at 11:48 AM, Dann, Tyler H (DFG) <[tyler.dann@alaska.gov](mailto:tyler.dann@alaska.gov)> wrote:

Hi Carol Ann, good to hear from you! Valli and all are doing well, Alice is 6 weeks now, chunky and happy so we are too. I haven't looked at Nushagak Chinook, but Nick has (cc'd). He came to Dillingham for SWIM last year. Nick can fill you in with the details.

Hope all is well on that end, have a good day.

Tyler

**From:** Carol Woody [mailto:[Ex. 6 PII, Carol Ann Woody](mailto:Ex.6.PII.CarolAnnWoody)]

**Sent:** Monday, August 26, 2013 11:17 AM

**To:** Dann, Tyler H (DFG)

**Subject:** Chinook!

Hi Tyler how are you and the family doing?

Well I hope. Hey I was wondering if you all have looked at the chinook samples from teh koktuli . I and others are very interested to see if they are different than Chinook in other Bristol Bay watersheds. I am also very curious if there is any significant structure among populations within the Nushagak. Do you know?

I am heading to a big EPA meeting will call later this week.

Sincerely,

Carol Ann Woody, Ph.D.  
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